

***OPERATION
DESERT SANDS
OpsIntel Update***

N-3

CJTF GULF OF OMAN

MARFOR
CG 1MEB

NAVFOR
CCDG 5 CWC

AFFOR
CG, 336 WING

ARFOR

1BRD 82D ABD

ESG
COMMANDER
CTF 58

USS CARL VINSON
CCDG-5 is **CTF-50**

CO
CPR-3 is **CTG-58.1**

CO
11th MEU (SOC) is **CTG-58.2**

ACE

BLT

MSSG

CTF 50

CCDG 5 - CWC

USS CARL VINSON	CVN 70	CTG 50.4 - C2WC
USS ANTIETAM	CG 54	CTG 50.2 - AWC
USS LAKE CHAMPLAIN	CG 57	CTG 50.3 - SCC
USS FLETCHER	DD 992	
USS REUBEN JAMES	FFG 57	
USS BUFFALO	SSN 758	
USS CAMDEN	AOE 2	

CTF 58

**USS TARAWA
BAY**

USS DULUTH

USS RUSHMORE

TACRON 11 DET 1

CPR3/11TH MEU

LHA 1

LPD 6

LSD 47

CO CPR 3

CG USS MOBILE

DD USS KINKAID

SSN USS HOUSTON

**NSE's:, ACU1 DET B, ACU5 DET B, BMU1 DET A, EODMU3
DET 33,SBU12 DET A (2 RHIBS), FST3, HC-11**

CTG 58.2

CO 11TH MEU

GCE

Infantry
Battalion

Artillery Battery

LAR Company

AAV Platoon

Combat
Engineer Plt

Reconnaissance
Plt

Tank Platoon

ACE

12 CH-46 Sea
Knights

4 CH-53E Super
Stallions

3 UH-1N Hueys

4 AH-1W Super
Cobras

6 AV-8B Harrier
Jets

CSSE

Headquarters
Transportation
Spt Det

Supply
Detachment

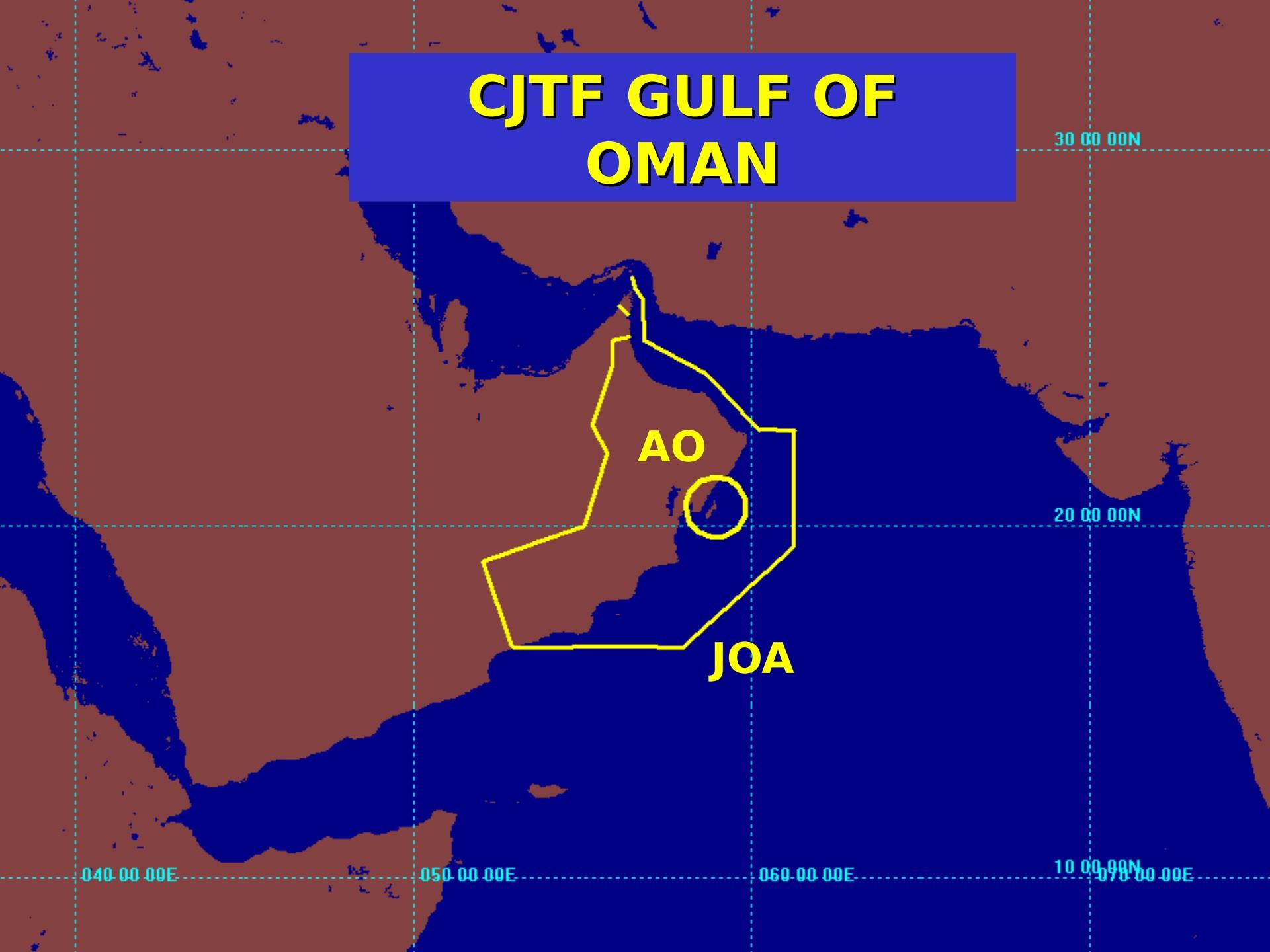
Maintenance Det

Engineer Spt Det

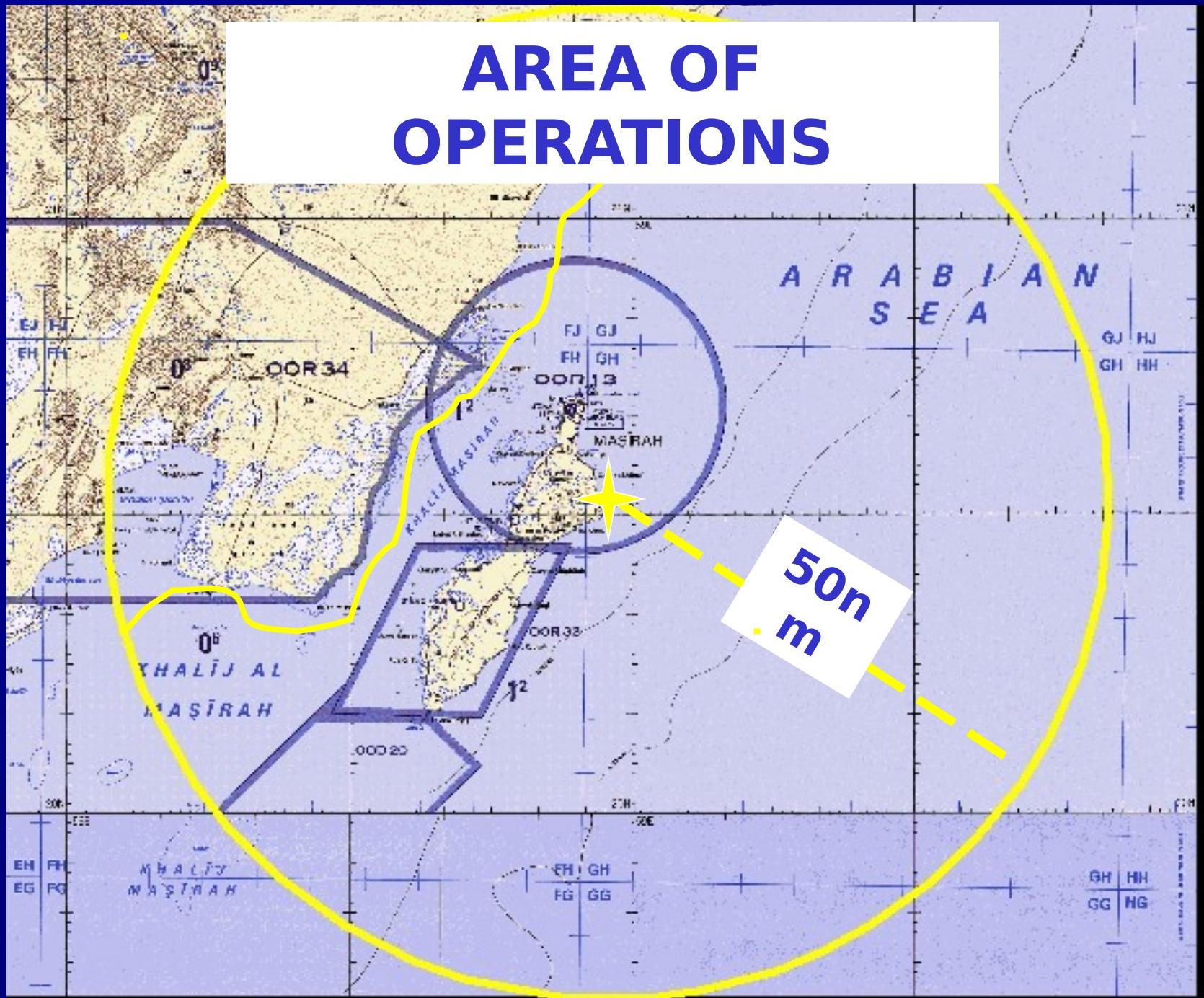
Health Services
Det

Military Police

CJTF GULF OF OMAN



AREA OF OPERATIONS



25 00 00N

ESG

**150n
m**

20 00 00N

**205n
m**

CSG

050 00 00E

055 00 00E

060 00 00E

15 00 00N

METOC



Astronomical Planning Data

All Times Standard Time (LST)

Feb 11 Temp
88(HI)/73(LO)

EENT
2002

RISE
1653
ILLU
M
99%

SET
1922

Feb 12 Temp
87(HI)/72(LO)

BMN
T055
0



RISE
0630

SET
0703

Feb 13 Temp
/73(LO)

EENT
2000
BMN
T055
1

RISE
1753
RISE
0631
SET
0809

EENT
1958
ILLU
M
98%



SET
1918



0 Moon will be illuminating from SE

ASTRONOMICAL OUTLOOK

11 Feb 12 Feb 13 Feb 14 Feb

BMNT:	0550	BMNT:	0550	BMNT:	0551	BMNT:	0552
SR:	0630	SR:	0630	SR:	0631	SR:	0632
SS:	1922	SS:	1920	SS:	0809	SS:	1917
EENT:	2002	EENT:	2000	EENT:	1958	EENT:	1957
MR:	1653	MR:	1720	MR:	1753	MR:	1831
ILL	99%ILL:		100%ILL:		98%ILL:		94%ILL:
MS:	0558	MS:	0703	MS:	0809	MS:	0914

WINDS: OUT OF ENE 3 MPH

CEILINGS: 14,000 SCT, 25,000 BKN

VISIBILITY: UNRESTRICTED

THERM X-OVER: NONE

PRECIP: 0% CHANCE

HUMIDITY: <67%

EFFECTS ON MOBILITY:

OCEAN DATA Masirah Island

11 Feb-13 Feb

SEA SURFACE TEMP: 61F

BREAKERS: SPILLING/PLUNGING

TIDAL RANGE: 3-4 ft

SWELLS: SSW AT -2 FT

SEA STATE: 2-3

Littoral Current: SW-NE

Tide: Max flow during flood (tide going in):

Between 120949LFeb04-121454LFeb04

TIDAL DATA

11 Feb 04

HIGH TIDE 0238L/7.52'
LOW TIDE 0830L/3.9'
HIGH TIDE 1349L/7.2'
LOW TIDE 2111L/1.3'

TIDAL DATA

12 Feb 04

HIGH TIDE 0401L/7.2'
LOW TIDE 0949L/4.3'
HIGH TIDE 1454L/6.6'
LOW TIDE 2223L/2.0'

TIDAL DATA

13 Feb 04

HIGH TIDE 0532L/7.2'
LOW TIDE 1132L/4.3'
HIGH TIDE 1724L/6.2'
LOW TIDE 2345L/2.3'

Weather Effects

All times local

Feb 12

00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18
19 20 21 22 23

ROTARY WING



FIXED WING



AAV



CRRC



NVG/LASER



TRACKED



WHEELED



NO IMPACT



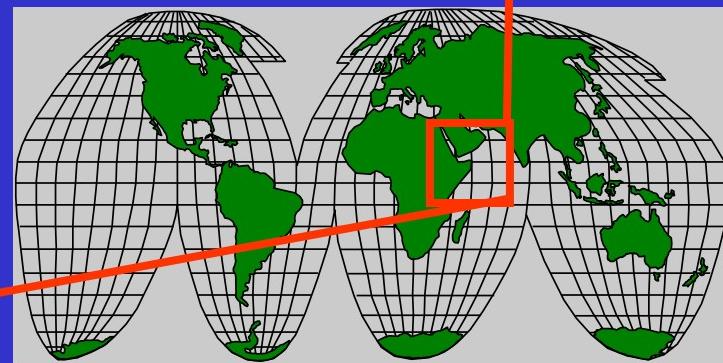
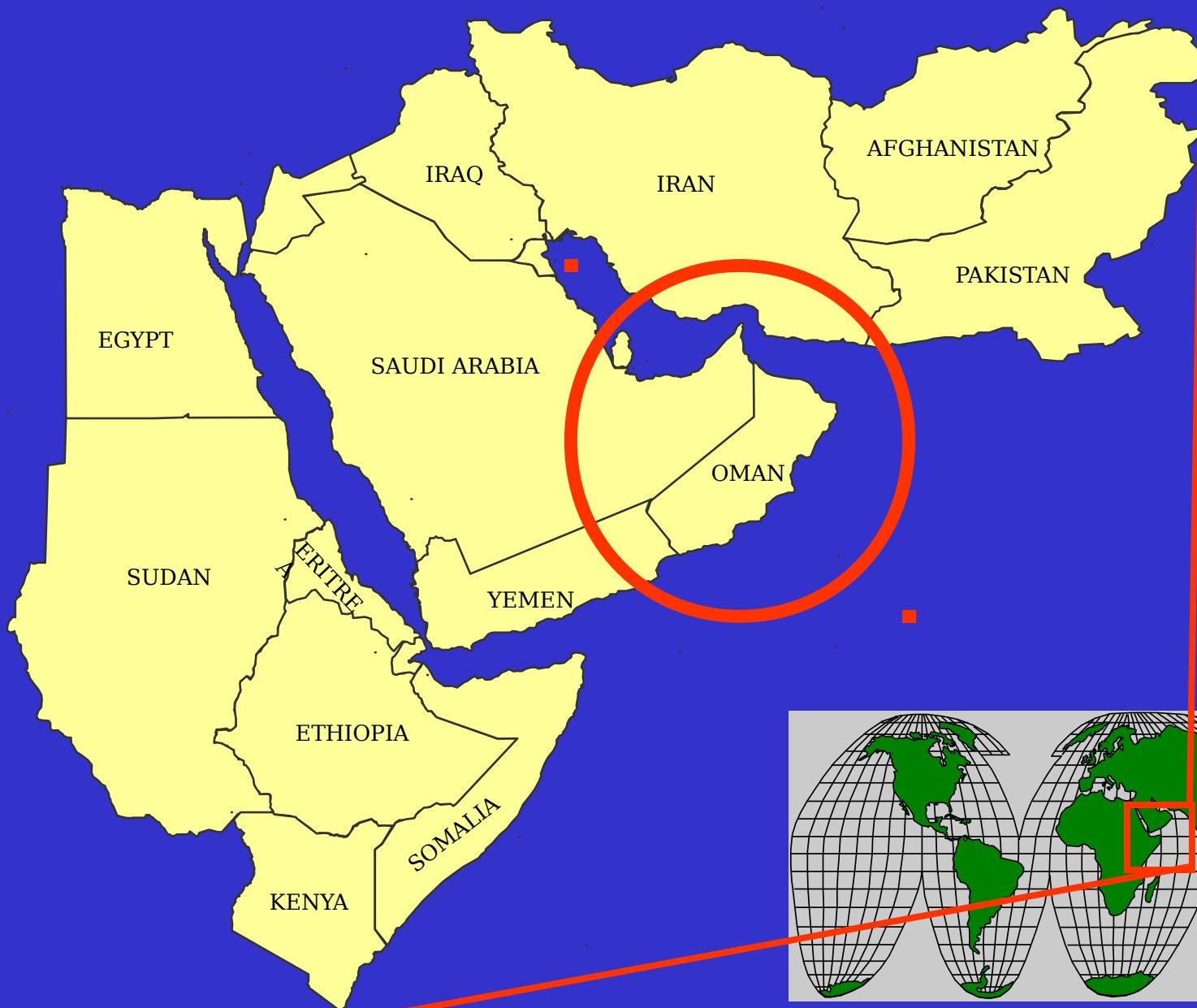
MARGINAL IMPACT



SIGNIFICANT IMPACT

S-2

AREA ORIENTATION

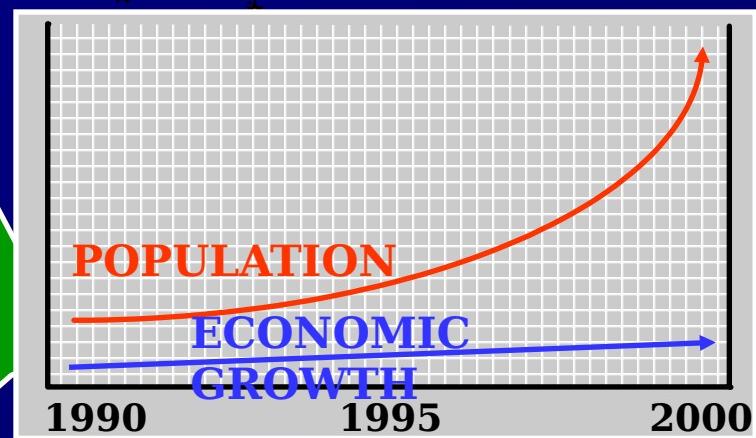
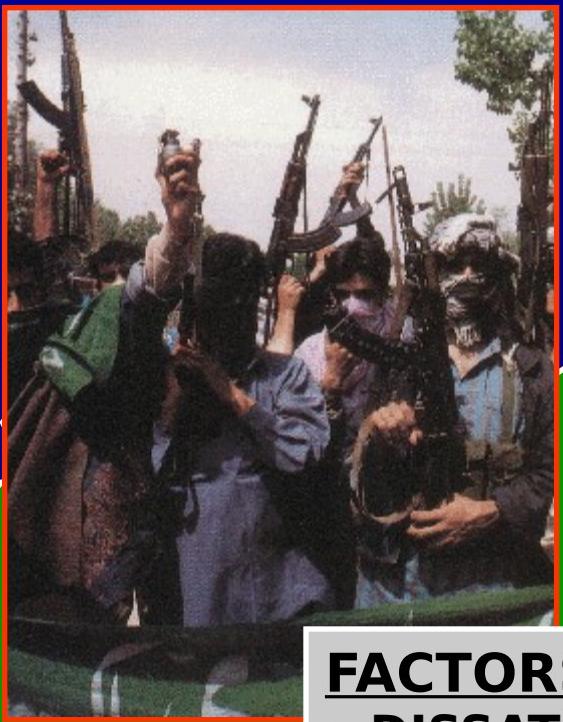


GEOGRAPHY

- 300,000 SQ KM
- 1,700 KM COASTLINE
- THREE COASTAL PLAINS
 - MUSCAT
 - AL BATINAH
 - SALALAH
- AL HAJAR MTS (3075 M) DOMINATE NORTH
- AL QARA MTS (1812 M) DOMINATES SOUTH
- OIL FIELDS LOC IN SOUTH
- MUSANDAM CONSISTS OF LOW MTS UP TO 1676 KM
- MASIRAH ISLAND IS ROCKY/BARREN



YEMEN AND THE AFTERMATH OF 1995 CIVIL WAR



FACTORS AFFECTING INTERNAL STABILITY:

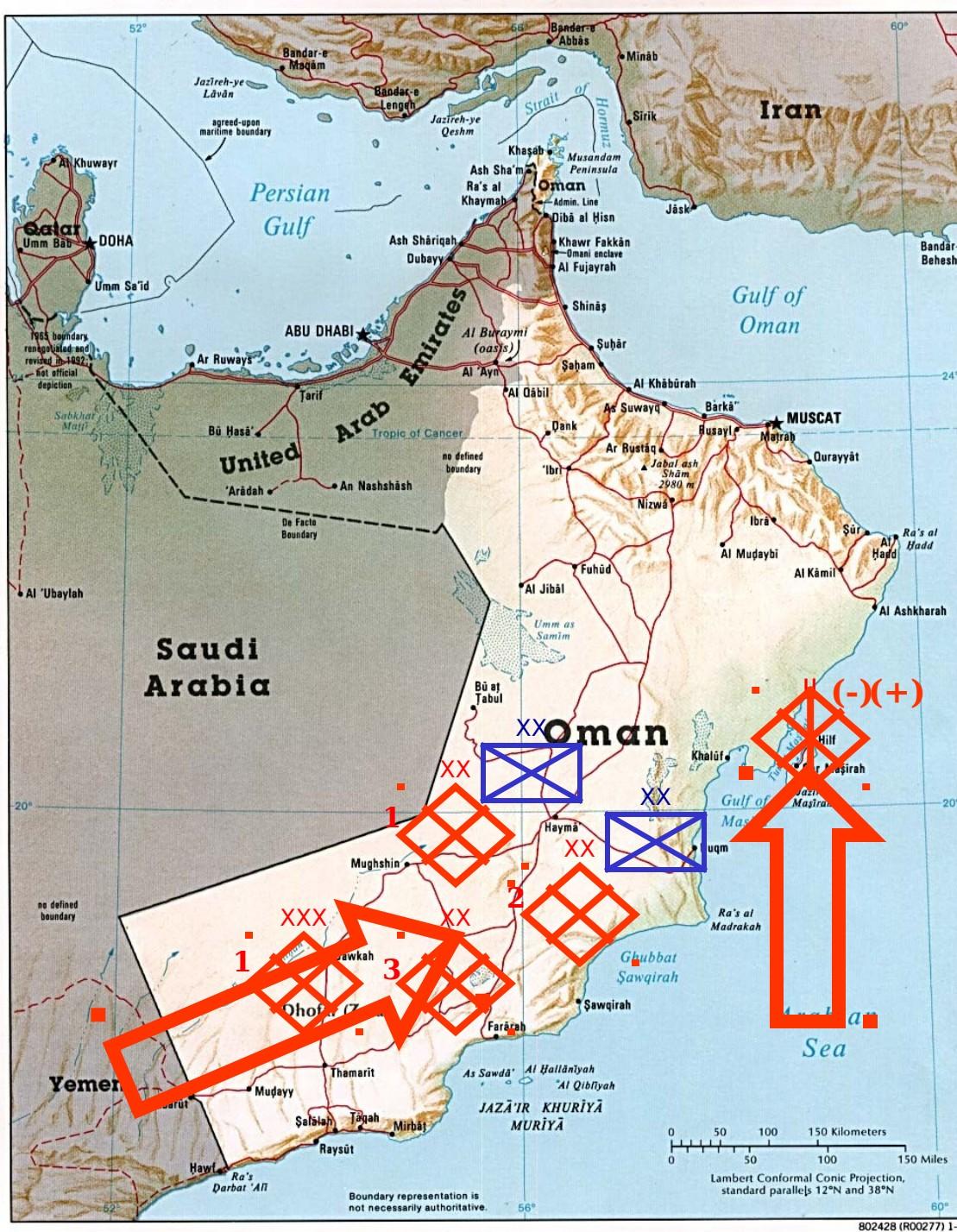
- DISSATISFACTION OVER POOR ECONOMIC CONDITIONS
- GROSS ECONOMIC AND SOCIAL INEQUALITIES
- COMPETITION FOR SCARCE RESOURCES AMONGST BURGEONING POPULATIONS
- RISE IN NATIONALISM
- ETHNIC AND RELIGIOUS ANIMOSITIES
- ISLAAH ISLAMIC PARTY TAKES CONTROL OF GOVT.

RISE OF ISLAMIC INFLUENCE BRINGS POLITICAL TURMOILS



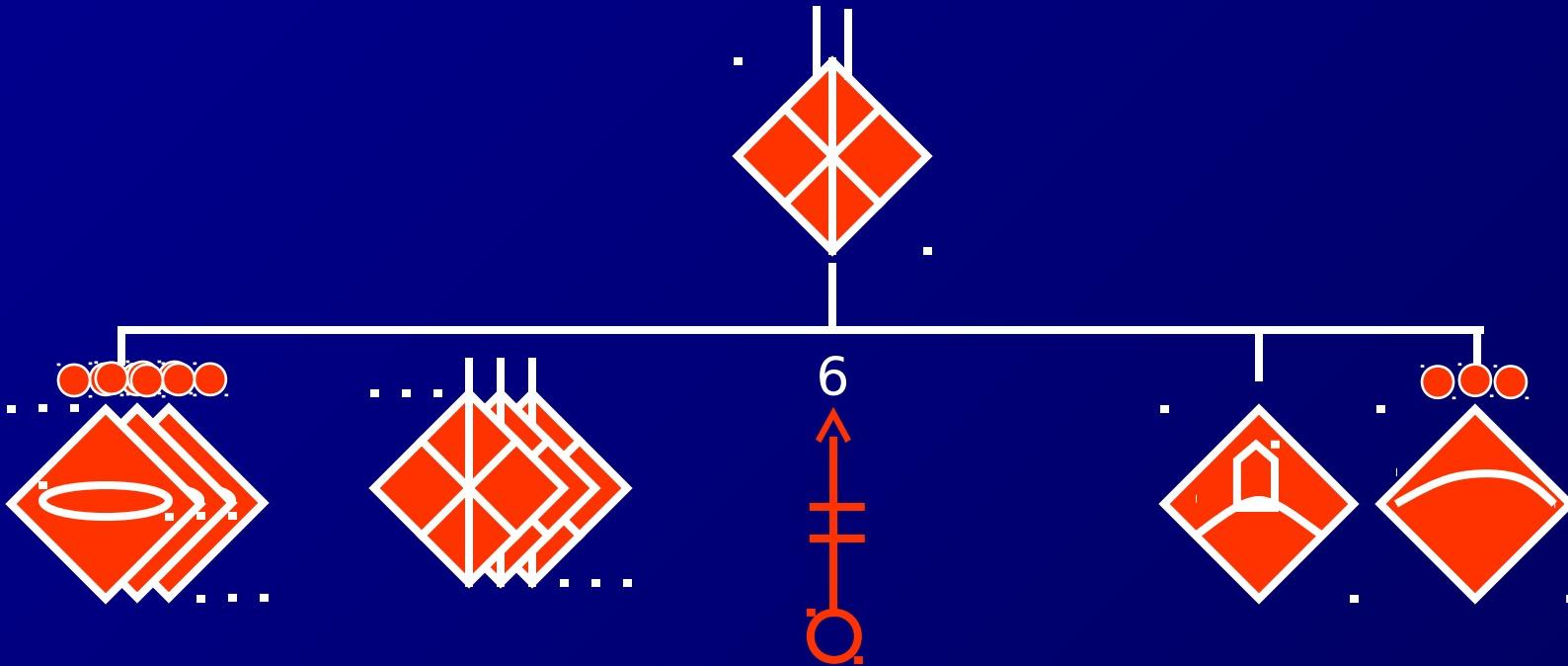
FACTORS AFFECTING INTERNAL STABILITY:

- MAY 1999, MULLAH SAFIYAH IBN A'RAB AL-BENWHBAH REPLACES PRIME MINISTER ABD AL-GHANI AND CABINET SHUFFLE GIVES MORE SEATS TO ISLAAH
- PRIME MINISTER BECOMES DE FACTO CHIEF OF STATE
- JUL-AUG 2000, 55 YEMINI HIZBOLLAH "GUARDS" KILLED IN BORDER CLASHES WITH SAUDI AND OMANI TROOPS



SPECIAL SITUATION

- SIT ALONG OMANI - YEMENI FRONT UNCHANGED
- ELEMENTS OF 68TH GUARD BDE SEIZE ISLAND

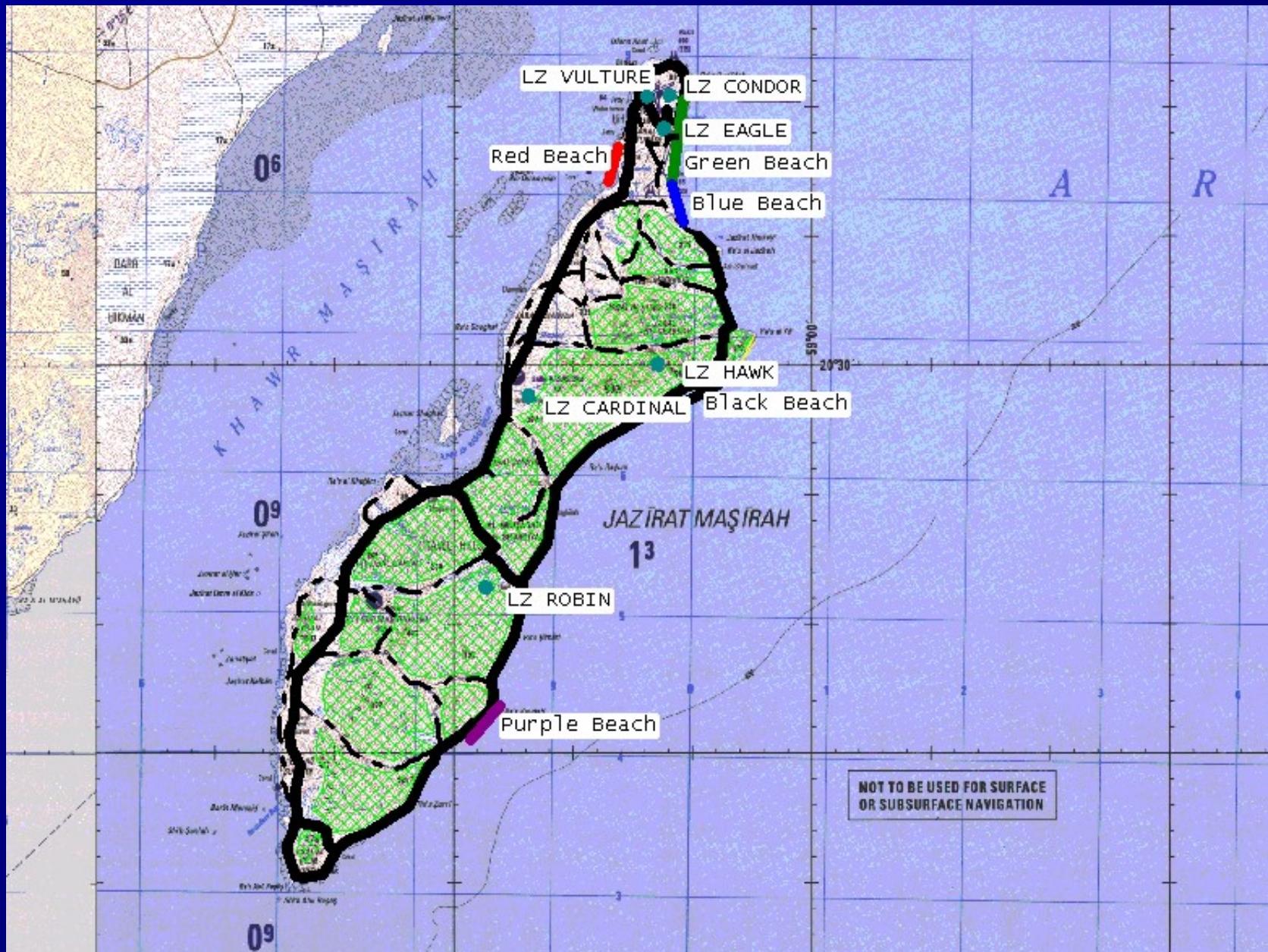


- 30 X BTR-60, 9 X T-54/55, 3XZSU-23/4,
1XSA-6

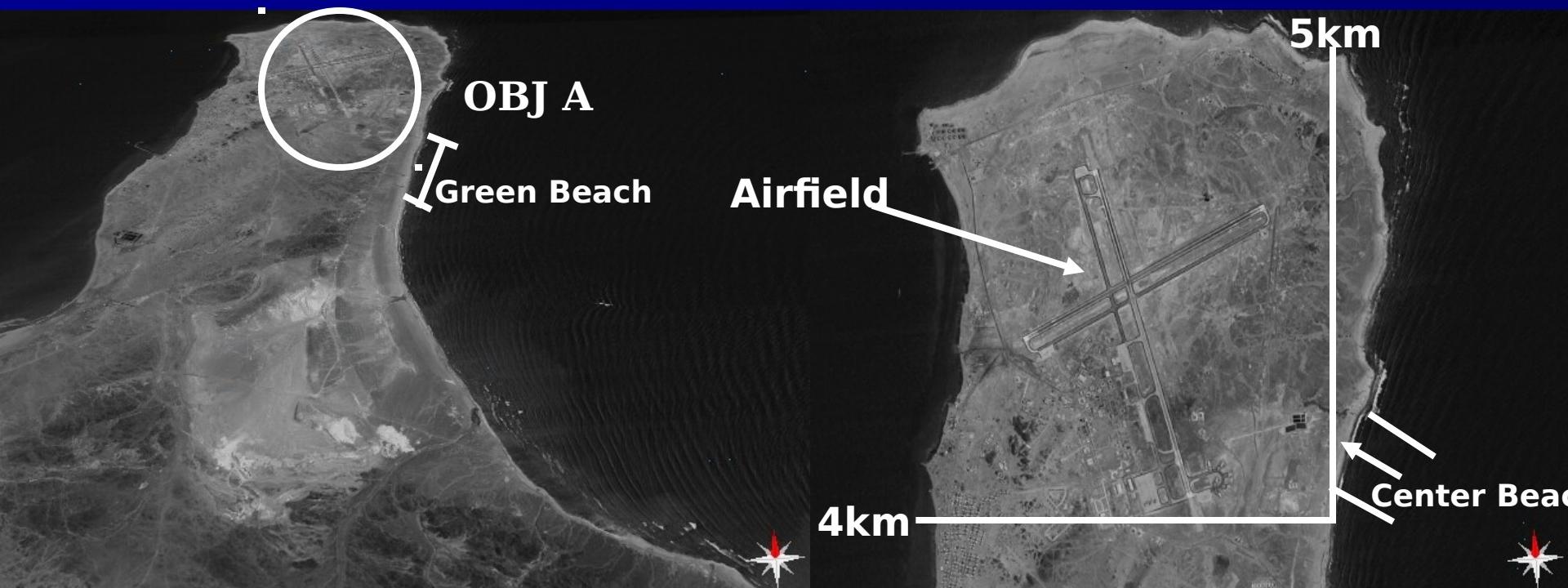
SPECIAL SITUATION

- **COMMS ON ISLAND**
**HF COMMS, VHF COMMS
CELL PHONES, LAND LINES**
- **NAVAL FORCES**
 - NAVAL UNITS REMAIN IN SUPPORT OF MASIRAH LANDING
 - 1 X TARANTUL I PGG
 - 3 X OSA II PTG
 - 1 X HOUNAN PTG
- **AIR - 1X C-130, 10XF-5, 5X MI-8S HELOS ON ISLAND**
NO REINFORCEMENT BY MAINLAND AIR ASSETS
- **CIVILIANS - 200-250 CIV LEFT ON ISLAND**
ASSESED AS FRIENDLY TO US FORCES

C2PC MCOO



Objective



ENEMY SIT

NAVAL

1 X TARANTUL I PGG
3 X OSA II PTG
1 X HOUNAN PTG

AIR

10XF-5E
5x MI-8
1XC-130

Shiinzi

H(-)(+)

(-)(+)

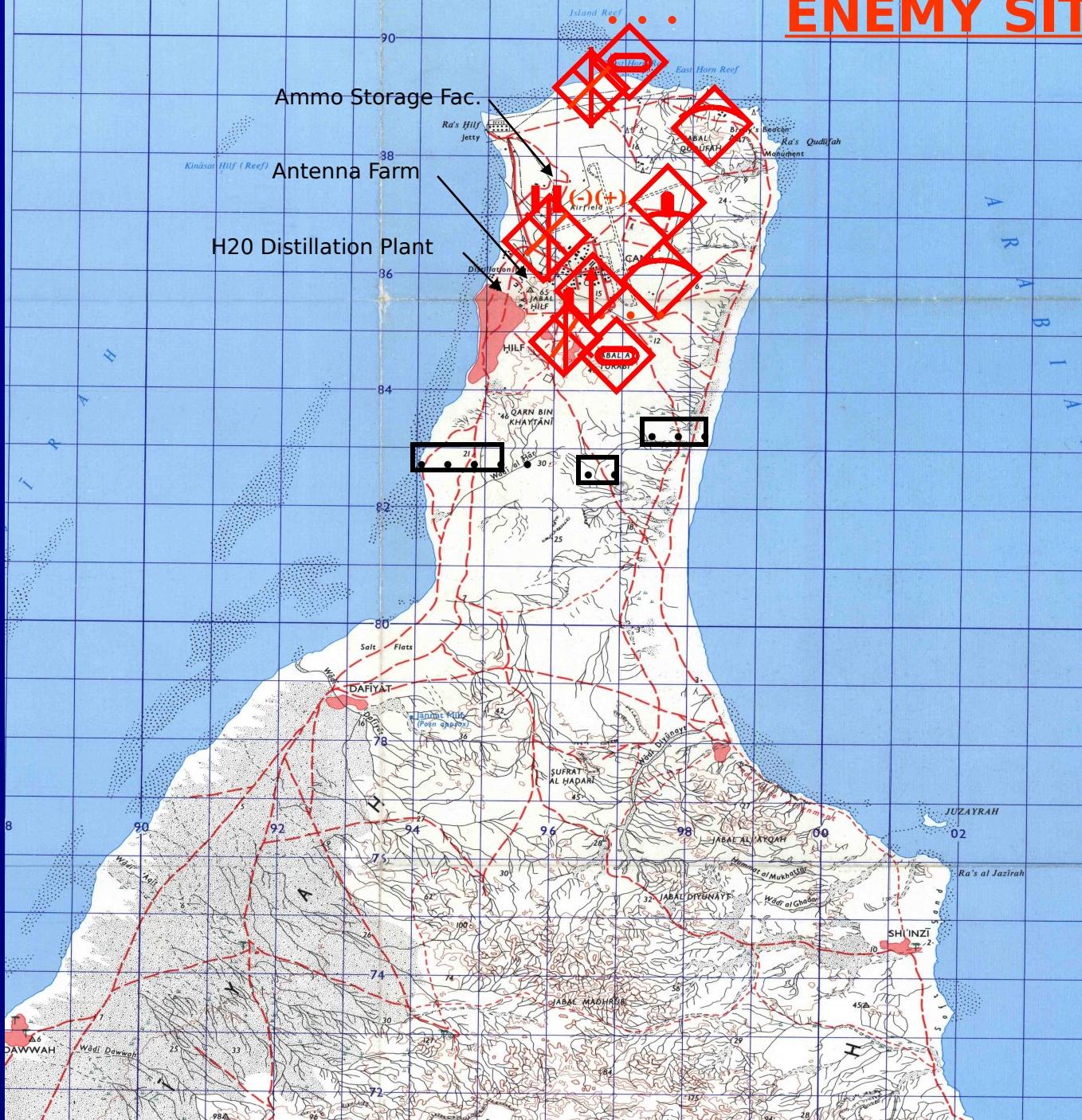
Sur Masirah

Maghilah

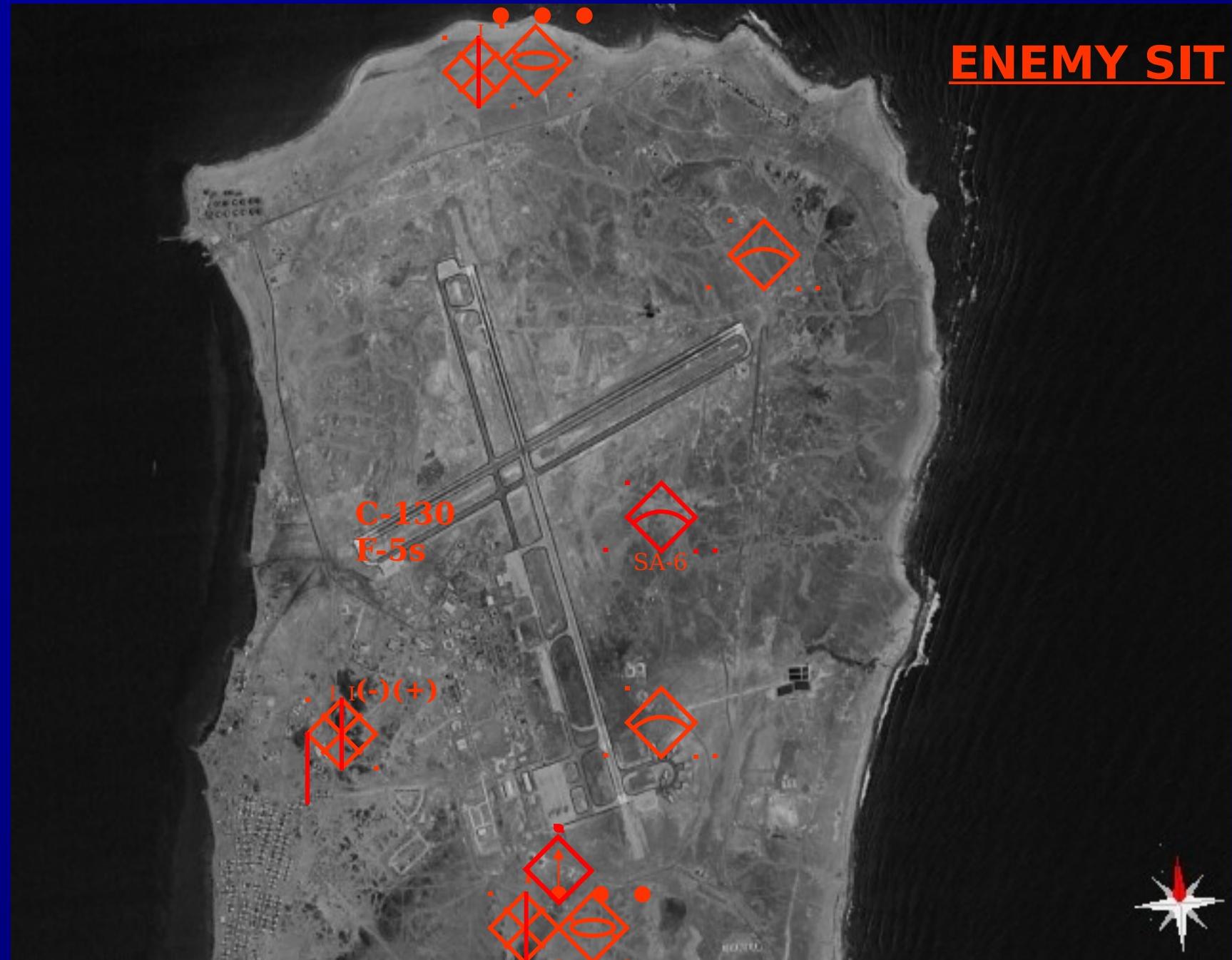
Hiql

Approx. 54.0 miles across

ENEMY SIT



ENEMY SIT



RYGF CAPABILITIES

DEFEND DEFEND IN PLACE IN PREPARED POSITIONS

REINFORCE WITH UNITS FROM MAINLAND VIA SURFACE ONLY

ATTACK LIMITED COUNTERATTACK WITH ARMOR AND MECH UNITS
ON MASIRAH ISLAND ONLY

WITHDRAW BY AIR (C-130)/SEA

DELAY AIR/SEA

Most Likely Course of Action

- Defend from prepared positions in vicinity of the airfield.
Continue
to improve defensive positions.

Most Dangerous Course of Action

- Reinforce with units and heavy equipment from Yemen prior to our attack.

UNCLASSIFIED

F-5E TIGER II



UNCLASSIFIED

AIR

TYPE: DAY FIGHTER

COMBAT RADIUS: 250NM

WEAPONS: 2XAIM-9 AAM

6X500LB

BOMBS

2X20MM GUNS

RADAR: I-BAND



TYPE: MULTI MISSION
DAY/CAPABLE CAPABLE

COMBAT RADIUS: 465 KM

WEAPONS: ROCKETS: 20X 80
MM S-8 (UNGUIDED)

BOMBS (UP TO 1.500KG)



TYPE: DAY CAPABLE ONLY

RANGE: 1,597 NM

WEAPONS: NONE

UNCLASSIFIED

TARANTUL I PGG



UNCLASSIFIED

SPEED: 60kts

RANGE: 400mi AT 36kts,
2,000mi AT 20kts

WEAPONS: SSM: 4XSS-N-2C
SAM: SA-N-5
GUNS: 1X76MM
2X30MM

RADARS: PLANK SHAVE (A)
BASS TILT (FC)

NAVAL

OSA II PTG



UNCLASSIFIED

SPEED: 37kts

RANGE: 800mi AT 30kts,
500mi AT 35kts

WEAPONS: SSM: 4XSS-N-2C
GUNS:
4X30MM

RADARS: SQUARE TIE (SS)
DRUM TILT
(FC)

HOUNAN PTG



SPEED: 35kts

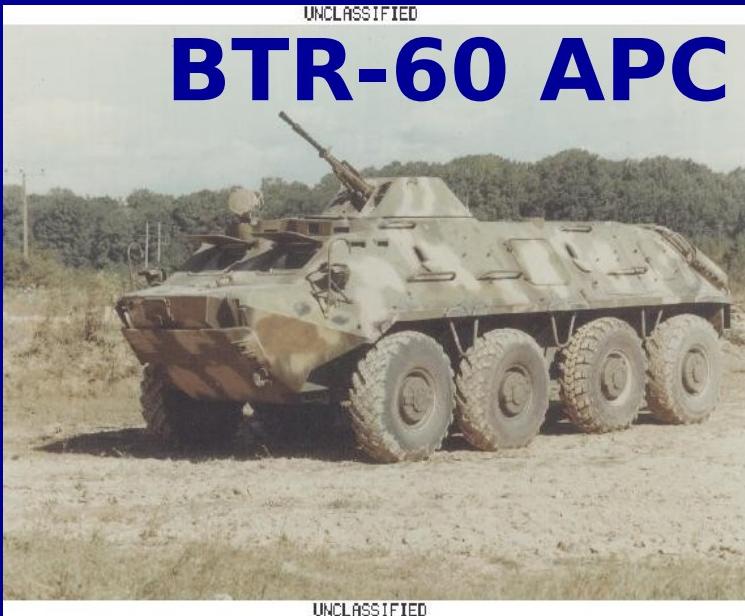
RANGE: 800mi AT 30kts,

WEAPONS: SSM: 4YJ1
GUNS: 4X25MM

RANGE: 22NM

RADARS: SQUARE TIE (SS)
RICE LAMP (FC)

ARMOR



**MAX SPEED (ROAD):
80KM**

**MAIN GUN: 14.5MM
SECONDARY GUN:
7.62MM**

ARMOUR: 7MM

**CREW: 2
PASSENGER: 14**

**MAX ROAD SPEED:
48KM/H**

**RANGE: 420KM/615
W/T**

**GUN: 100MM D-10T2S
EFFECTIVE RANGE:
1500M
RATE OF FIRE: 3-4 RPM**

CREW: 4

AD SYSTEMS



RADAR: GUN DISH

MAX SPEED: 44KM/H

MAX RANGE: 8000FT

ARMAMENT: 4X23MM

RATE OF FIRE: 4000
RDS/PER MIN

CREW: 4



GUIDANCE: SEMI-ACTIVE
HOMING

MAX EFFECTIVE RANGE:
13NM

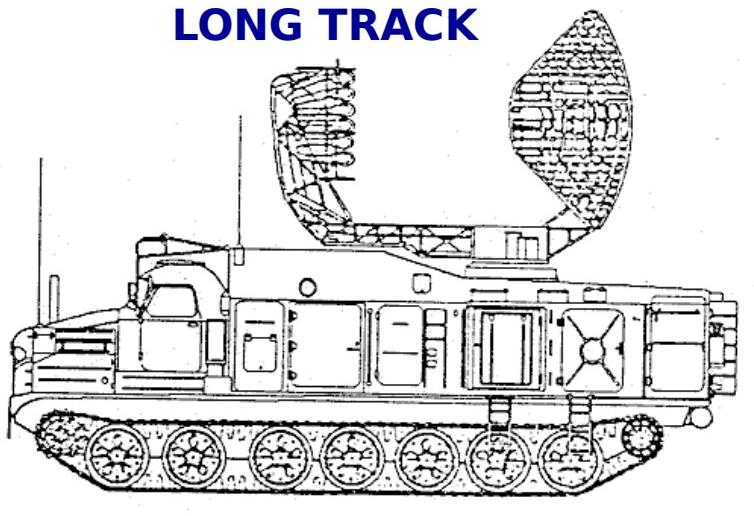
MIN RANGE: 2.2NM

WARHEAD: HE

RADAR: STRAIGHT FLUSH

SA-6 RADAR SYSTEMS

LONG TRACK



STRAIGHT FLUSH



Function: Target acquisition

Range: 150 km+, 30,000+ alt.

Frequency: E band (UHF)

Function: Fire control/short range target acquisition
Acquisition can guide three missiles simultaneously

Range: 60-90km, 10,000m alt

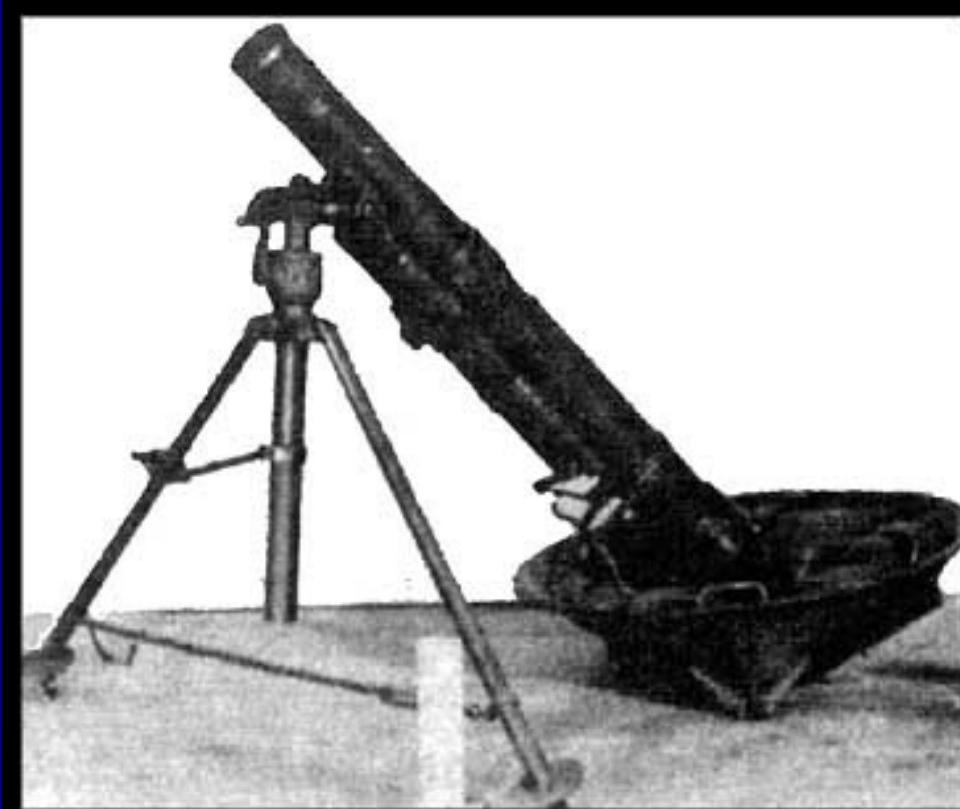
Frequency:

G/H band (acquisition, I band (track))

WEAPON SYSTEMS

MORTARS

M1943



DESCRIPTION:

Mortar

CALIBER:

120mm

AMMUNITION:

FRAG-HE, HE, smoke, illuminating,
incendiary, possible chemical

MAX EFFECTIVE RANGE:

460-5,700m

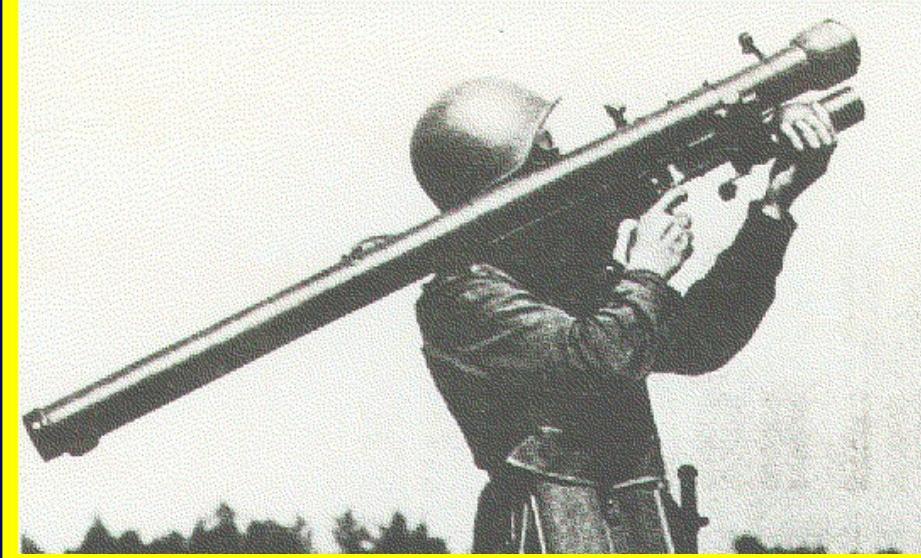
RATE OF FIRE:

12-15nd\$min

WEAPON SYSTEMS

MISSILES/MANPAD

SA-14



DESCRIPTION:	Man-portable, 2 stage, low alt. SAM
MAX FIRING RANGE:	4500-5200m
EFFECTIVE ALTITUDE:	2000-3500m